

Applicant: Mader et al.

Application No.:

In The Claims

1. (Currently Amended) ~~A~~ Ddevice for disinfection of a milking component with at least one container for storing at least one disinfectant base material;

at least one processing device with which, from at least one disinfectant base

material, a disinfectant which contains chlorine dioxide can be prepared by chemical reaction;

at least one guiding element with which the disinfectant can be brought into contact

with at least one milking component essentially directly after preparation, in order to disinfect the milking component.

2. (Currently Amended) ~~The D~~ Ddevice according to Claim 1, ~~characterized by the fact that~~ wherein the milking component to be disinfected is a component which comes into direct contact with at least one part of the udder of the animal to be milked, during milking.

3. (Currently Amended) ~~The D~~ Ddevice according to Claim 1, ~~or 2, characterized by the fact that~~ wherein the milking component to be disinfected is taken from a group of components ~~which include~~ consisting of:

teat cups, udder- and teat-cleaning equipment, pre- and post-dipping devices and similar others.

4. (Currently Amended) ~~The D~~ Ddevice according to Claim 1, ~~2 or 3, characterized by the fact that~~ wherein a disinfectant container is provided into which at least one milking component can be immersed, in order to make disinfection possible, essentially on all sides.

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5. (Currently Amended) ~~The Device according to at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein the milking component to be disinfected is a
component which comes into contact with the milk of a milked animal.

6. (Currently Amended) ~~The Device according to at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein the milking component is taken from a group of
components ~~which include~~ consisting of:

teat rubber, teat cup, milk collecting components, milk lines, milk tubes, milk flowmeter,
sensors for the determination of milk quality and flock and blood detectors,
receiving containers, milk pumps, milk tanks and similar others.

7. (Currently Amended) ~~The Device according to at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein the disinfectant can be circulated in a closed
circuit.

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8. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein the milking component to be disinfected is a
component which comes into contact with an animal, whereby the component is taken from a
group of components, ~~which include~~ consisting of:

animal watering troughs, as well as water lines to the animal troughs, feed troughs and
calf drinking troughs and calf nipples, resting quarters, milking stations and
milking robots.

9. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein the device is suitable for the milking of an animal
and it includes at least one milk line, at least one vacuum line and at least one milking machine.

10. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein the disinfectant can be sprayed into the ambient
air.

11. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein a control device is provided with which a
disinfecting process can be controlled.

12. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein using the control device the intensity of
disinfection can be controlled via at least one parameter.

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13. (Currently Amended) ~~The Device according to the previous claim, characterized by the fact that~~ Claim 1, wherein the parameter is chosen from a group of parameters ~~which includes~~ consisting of:

an action time of the disinfectant and a temperature of the disinfectant and a
concentration of the disinfectant and a composition of the disinfectant.

14. (Currently Amended) ~~The Device according to at least one of the previous claims, characterized by the fact that~~ Claim 1, wherein the control device emits a disinfection signal when a predetermined limiting value is reached.

15. (Currently Amended) ~~The Device according to the previous claim, characterized by the fact that~~ Claim 1, wherein the predetermined limiting value ~~is reached when~~ is selected from the group consisting of:

the number of milkings; ~~and/or~~ the number of teat cleanings; ~~and/or~~ a predetermined time
has elapsed; and combinations thereof.

16. (Currently Amended) ~~The Device according to Claim 14, or 15, characterized by the fact that~~ wherein the control device emits a disinfection signal when an animal for which the possibility of disease exceeds a predetermined degree was milked or treated.

17. (Currently Amended) ~~The Device according to at least one of the previous Claims 14, 15 or 16, characterized by the fact that~~ wherein a disinfection process is performed when the control device emits a disinfection signal.

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18. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein at least one disinfectant base material ~~contains~~
includes sodium chlorite ~~or sodium chlorate~~.

19. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein at least one disinfectant base material is an
essentially dry solid.

20. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein at least one disinfectant base material is in the
powder form.

21. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein a first disinfectant base material and at least one
second disinfectant base material is provided for the preparation of the disinfectant.

22. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, the at least the first disinfectant base material and the
further comprising a second disinfectant base material are stored separately from one another the
first disinfectant base material prior to being mixed in the processing device.

23. (Currently Amended) ~~The Device~~ according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 1, wherein the first disinfectant base material ~~and at least the~~
~~second disinfectant base material are~~ is in the tablet form ~~and are preferably essentially~~
~~uniformly distributed in it.~~

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24. (Currently Amended) ~~The D~~device according to ~~at least one of the previous claims,~~
~~characterized by the fact that~~ Claim 22, wherein the first disinfectant base material and the
second disinfectant base material produce the disinfectant by chemical reaction.

25. (Currently Amended) A Mmethod for the disinfection of a milking component,
comprising the step of:

~~characterized by the fact that~~ producing a disinfectant ~~is produced with at least one~~
~~disinfectant base material~~ by chemical reaction with a disinfectant base material,
the disinfectant containing chlorine dioxide, ~~whereby~~ and disinfecting the milking
component ~~is disinfected~~ with the disinfectant.

26. (Currently Amended) The Mmethod according to ~~the previous claim, characterized by the~~
~~fact that~~ Claim 25, wherein an exposure time and/or a temperature and/or a concentration is
controlled.

27. (Currently Amended) The Mmethod according to Claim 25, ~~or 26, characterized by the~~
~~fact that after the ending of the disinfection process, the excess disinfectant is discharged and~~
further comprising the step of:

discharging the disinfectant after the milking component is disinfected.

Please add the following new claim:

28. (New) The device according to Claim 1, wherein at least one disinfectant base material
includes sodium chlorate.